

AMENDMENTS TO THE CLAIMS

1. **(Original)** A soluble coenzyme-binding glucose dehydrogenase, which catalyzes a reaction for oxidizing glucose in the presence of an electron acceptor and has a low activity to maltose.

2. **(Original)** The coenzyme-binding glucose dehydrogenase of claim 1, which catalyzes a reaction for oxidizing glucose in the presence of an electron acceptor, has a 5% or less specific activity to maltose, and is inhibited by 1,10-phenanthroline.

3. **(Currently amended)** The coenzyme-binding glucose dehydrogenase of claim 1 ~~or 2~~, wherein its activity is 50% or more inhibited at 1mM of 1,10-phenanthroline as a final concentration.

4. **(Currently amended)** The coenzyme-binding glucose dehydrogenase of ~~any one of claims 1 to 3~~ claim 1, wherein the coenzyme is a flavin compound.

5. **(Currently amended)** The coenzyme-binding glucose dehydrogenase of ~~any one of claims 1 to 4~~ claim 1, which oxidizes hydroxyl group in the 1st-position of glucose.

6. **(Currently amended)** The coenzyme-binding glucose dehydrogenase of ~~any one of claims 1 to 5~~ claim 1, which is derived from a microorganism.

7. **(Original)** The coenzyme-binding glucose dehydrogenase of claim 6, which is derived from a eukaryotic microorganism.

8. **(Original)** The coenzyme-binding glucose dehydrogenase of claim 7, which is derived from an *Aspergillus terreus*.

9. **(Original)** The coenzyme-binding glucose dehydrogenase of claim 8, which is derived from the *Aspergillus terreus* under the accession number FERM BP-08578.

10. **(Currently amended)** A coenzyme-binding glucose dehydrogenase, which is a protein having characteristics of the coenzyme-binding glucose dehydrogenase of ~~any one of claims 1 to 5~~ claim 1 or having substantially equivalent characteristics thereto, which has an amino acid sequence encoding the protein or an amino acid sequence containing a mutation resulting from a deletion, substitution or addition of one or more amino acid residues in the sequence, wherein the protein is biologically active and stable.

11. **(Currently amended)** A microorganism having an ability of producing the coenzyme-binding glucose dehydrogenase of ~~any one of claims 1 to 5~~ claim 1.

12. **(Original)** The microorganism of claim 11, which is a eukaryotic microorganism.

13. **(Original)** The microorganism of claim 12, which is an *Aspergillus terreus*.

14. **(Original)** The microorganism of claim 13, which is the *Aspergillus terreus* under the accession number FERM BP-08578.

15. **(Currently amended)** A method for producing the coenzyme-binding glucose dehydrogenase of ~~any one of claims 1 to 5~~ claim 1, which comprises culturing the a microorganism of any one of claims 11 to 14 having an ability of producing the coenzyme-binding glucose dehydrogenase of claim 1 and producing and recovering the coenzyme-binding glucose dehydrogenase in the culture.

16. **(Currently amended)** A method for measuring glucose, which comprises using the coenzyme-binding glucose dehydrogenase of ~~any one of claims 1 to 10~~ claim 1.

17. **(Original)** The method according to claim 16, wherein the method is carried out with ferricyanide at a final concentration of 2mM to 500mM.

18. (Currently amended) A reagent composition for measuring glucose comprising the coenzyme-binding glucose dehydrogenase of ~~any one of claims 1 to 10~~ claim 1.

19. (Original) The reagent composition of claim 18, wherein ferricyanide is employed at a final concentration of 2mM to 500mM.

20. (Currently amended) A biosensor for measuring glucose using the coenzyme-binding glucose dehydrogenase of ~~any one of claims 1 to 10~~ claim 1.

21. (Original) The biosensor of claim 20, wherein ferricyanide is employed at a final concentration of 2mM to 500mM.